

**SUBMITTAL DATA: PCA-A24KA & PUZ-A24NHA3**
**24,000 BTU/H CEILING-SUSPENDED HEAT-PUMP SYSTEM**

Job Name: _____	Location: _____	Date: _____
Purchaser: _____	Engineer: _____	
Submitted to: _____	For <input type="checkbox"/> Reference <input type="checkbox"/> Approval <input type="checkbox"/> Construction	
Unit Designation: _____	Schedule No.: _____	

**GENERAL FEATURES**

- Ceiling-suspended indoor unit for residential and commercial applications
- Shiny white cabinet; compact design
- Standard air filter is included with indoor unit; high-efficiency filter is available as an option
- Quiet operation—both indoor and outdoor units
- Optional Wireless Remote Controller with Receiver Kit is available with or without i-see Sensor
- i-see Sensor available as a stand-alone option
- PAR-21MAA wired remote controller is included
- Self-check function—integrated diagnostics
- Limited warranty: five years on parts and defects and seven years on compressors

**OPTIONAL ACCESSORIES**
**Indoor Unit**

- External Heat Adapter (PAC-YU25HT)
- CN24 Relay Kit (CN24RELAY-KIT-CM)
- Condensate Pump (PAC-SH84DM-E)
- Remote Temperature Sensor (PAC-SE41TS-E)
- i-see Sensor (PAC-SH91MK-E)
- Wireless Remote Controller (PAR-FL32MA)
- Wireless Remote Control with Receiver Kit (PAR-SL93B-E)
- Wireless Remote Control with Receiver and i-see Sensor Kit (PAR-SA92MW-E)
- High-efficiency Filter (MERV 8) (PAC-SH89KF-E)

**Outdoor Unit**

- M-NET Adapter (PAC-SF80MA-E)
- Air Outlet Guide (PAC-SG59SG-E)
- Wind Baffle (WB-PA2)

**Cooling\***

Rated Capacity .....	24,000 Btu/h
Minimum Capacity .....	12,000 Btu/h
SEER .....	16.8 Btu/h/W
Total Input .....	2,340 W

**Heating at 47°F\***

Rated Capacity .....	26,000 Btu/h
Minimum Capacity .....	12,000 Btu/h
HSPF (IV) .....	10.9 Btu/h/W
Total Input .....	2,310 W

**Heating at 17°F\***

Rated Capacity .....	18,000 Btu/h
Total Input .....	2,220 W
* Rating Conditions (Cooling) - Indoor: 80°F (27°C) DB / 67°F (19°C) WB.	
Outdoor: 95°F (35°C) DB / 75°F (24°C) WB.	
(Heating) - Indoor: 70°F (21°C) DB / 60°F (16°C) WB. Outdoor: 47°F (8°C) DB / 43°F (6°C) WB.	
(Heating at 17°F) - Indoor: 70°F (21°C) DB / 60°F (16°C) WB. Outdoor: 17°F (-8°C) DB / 15°F (-9°C) WB.	

**Electrical Requirements**

Power Supply .....	208 / 230V, 1-Phase, 60 Hz
Breaker Size .....	.25 A

**Voltage**

Indoor - Outdoor S1-S2 .....	AC 208 / 230V
Indoor - Outdoor S2-S3 .....	DC 24V
Indoor - Remote Controller .....	DC 12V

**OPERATING RANGE**

		Indoor Intake Air Temp.	Outdoor Intake Air Temp.
Cooling	Maximum	95°F (35°C) DB, 71°F (22°C) WB	115°F (46°C) DB
	Minimum	67°F (19°C) DB, 57°F (14°C) WB	0°F** (-18°C) DB
Heating	Maximum	80°F (27°C) DB, 67°F (19°C) WB	70°F (21°C) DB, 59°F (15°C) WB
	Minimum	70°F (21°C) DB, 60°F (16°C) WB	12°F (-11°C) DB, 10°F (-12°C) WB

\*\* With optional wind baffle accessory installed. If not installed, the minimum temperature will be 23°F (-5°C) DB.


**Indoor Unit**
**Outdoor Unit: PUZ-A24NHA3**

MCA .....	1 A
Fan Motor .....	0.54 F.L.A.
Fan Motor Output .....	95 W
Airflow (Lo - Mid1 - Mid2 - Hi) .....	530 - 565 - 600 - 670 Dry CFM
	495 - 530 - 565 - 635 Wet CFM
Air Filter .....	Polypropylene Honeycomb
Sound Pressure Level (Lo - Mid1 - Mid2 - Hi) .....	.33 - 35 - 37 - 40 dB(A)

DIMENSIONS	UNIT INCHES / MM
W	50-3/8 / 1,280
D	26-3/4 / 680
H	9-1/16 / 230

Weight .....	71 lbs. / 32 kg
External Finish .....	Munsell No. 6.4Y 8.9 / 0.4
Field Drainpipe Size O.D. ....	1-1/16" / 26 mm
Wall-mounted Remote Controller .....	PAR-21MAA
	(See Data Submittal Sheet)

**Outdoor Unit**

Compressor .....	DC Inverter-driven Twin Rotary
MCA .....	18 A
Fan Motor .....	0.75 F.L.A.
Sound Pressure Level	
Cooling .....	.48 dB(A)
Heating .....	.50 dB(A)

DIMENSIONS	INCHES / MM
W	37-3/8 / 950
D	13 + 1-3/16 / 330 + 30
H	37-1/8 / 943

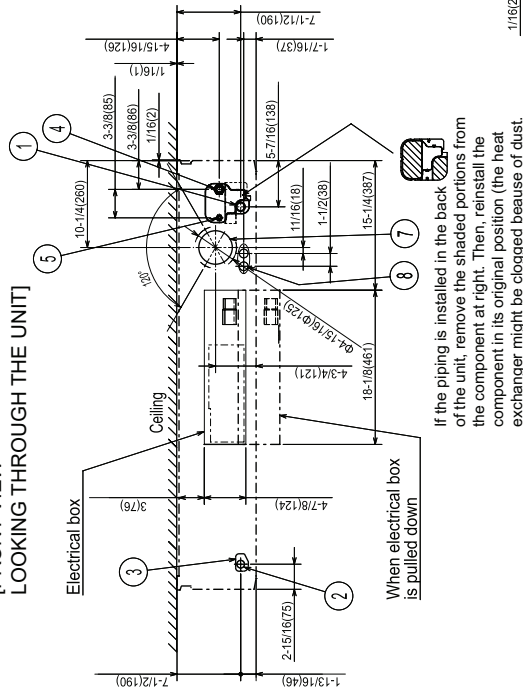
Weight .....	165 lbs. / 75 kg
External Finish .....	Munsell No. 3Y 7.8 / 1.1
Refrigerant Type .....	R410A
Refrigerant Pipe Size O.D.	
Gas Side .....	5/8" / 15.88 mm
Liquid Side .....	3/8" / 9.52 mm
Max. Refrigerant Pipe Length .....	165' / 50 m
Max. Refrigerant Pipe Height Difference .....	100' / 30 m
Connection Method .....	Flared



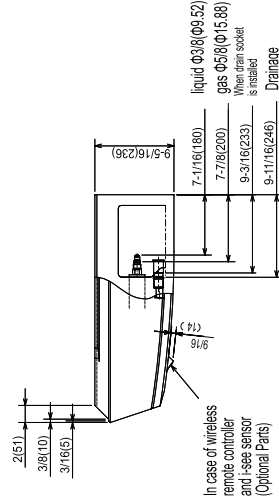
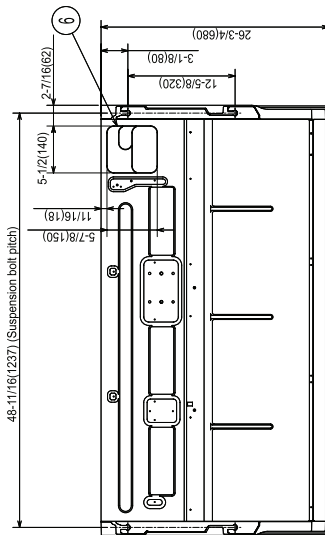
# DIMENSIONS: PCA-A24KA

Unit: inch (mm)

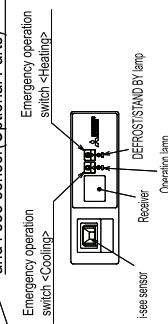
[FRONT VIEW  
LOOKING THROUGH THE UNIT]



[BACK VIEW]



In case of wireless remote controller and i-see sensor (Optional Parts)



## NOTES.

1. Use M10 or W3/8 screw for anchor bolt.
2. Please be sure when installing the drain lift mechanism (optional parts), refrigerant pipe will be only upward.

- 1 Drainage pipe connection (1" [26mm] I.D.)
  - 2 Drainage pipe connection (for the left arrangement)
  - 3 Knockout hole for left drain-piping arrangement
  - 4 Refrigerant-pipe connection (gas pipe side/flared connection)
  - 5 Refrigerant-pipe connection (liquid pipe side/flared connection)
  - 6 Knockout hole for upper drain pipe arrangement
  - 7 Knockout hole for ventilation air intake Ø3-15/16(Φ100)
  - 8 Knockout hole for wiring arrangement Ø7/8(Φ22)
- Accessory...Drain socket (1" [26mm] I.D.)

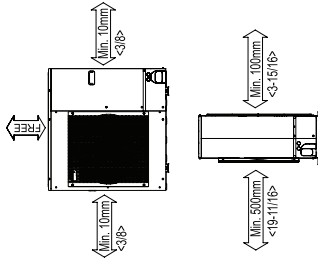
Air outlet

Air intake

# DIMENSIONS: PUZ-A24NHA3

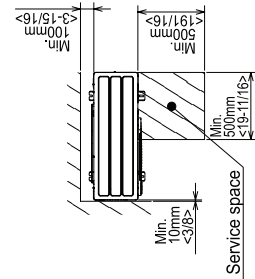
## 1 FREE SPACE (Around the unit)

The diagram below shows a basic example.  
Explanation of particular details are given in the installation manuals etc.



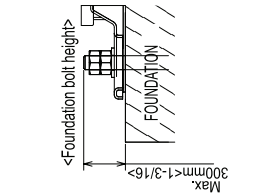
## 2 SERVICE SPACE

Dimensions of space needed for service access are shown in the below diagram.



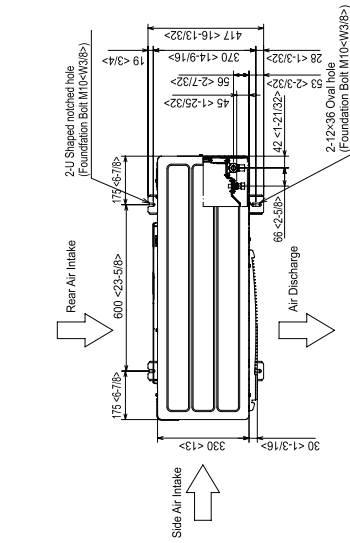
## 3 FOUNDATION BOLTS

Please secure the unit firmly with 4 foundation (M10×V3/8) bolts. (Bolts and washers must be purchased locally).



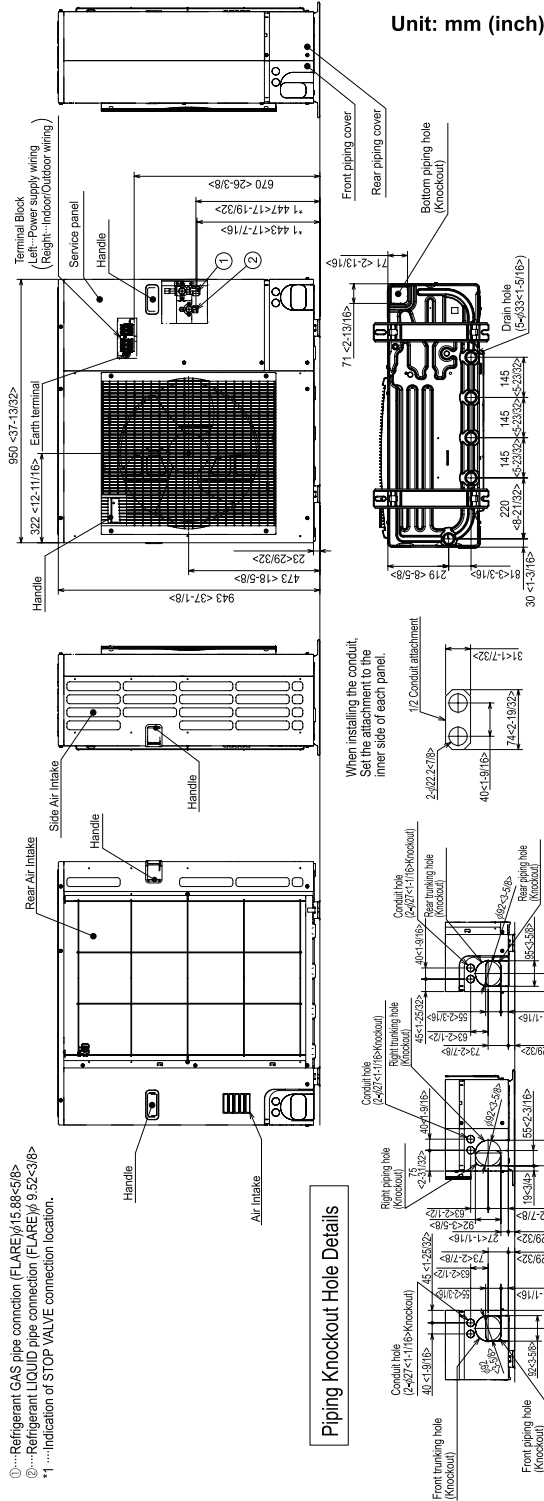
## 4 PIPING-WIRING DIRECTIONS

Piping and wiring connections can be made from 4 directions: front, right, rear and below.

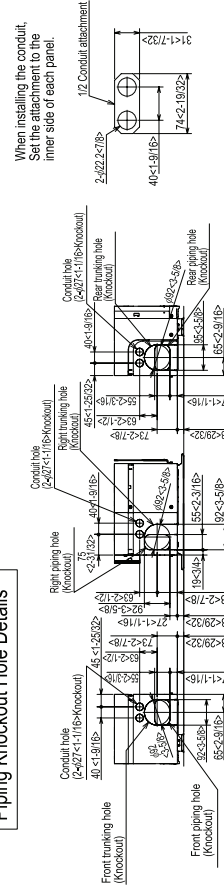


## Example of Notes

- ①.....Refrigerant GAS pipe connection (FLARE)φ15.88×5/8"
- ②.....Refrigerant LIQUID pipe connection (FLARE)φ9.52×3/8"
- \*1 .....Indication of STOP VALVE connection location.



## Piping Knockout Hole Details



Unit: mm (inch)



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